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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/561,454	12/20/2005	Carlos Antonio Alba Pinto	NL 030726	6437
24737 PHII IPS INTI	7590 06/08/200 ELLECTUAL PROPER	EXAMINER		
P.O. BOX 3001		PETRANEK, JACOB ANDREW		
BRIARCLIFF	MANOR, NY 10510		ART UNIT	PAPER NUMBER
			2183	
			MAIL DATE	DELIVERY MODE
			06/08/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Advisory Action Before the Filing of an Appeal Brief

Application No.	Applicant(s)	
10/561,454	ALBA PINTO ET AL.	
Examiner	Art Unit	
Jacob Petranek	2183	

	Jacob Petranek	2183					
The MAILING DATE of this communication appe	ars on the cover sheet with the o	orrespondence add	ress				
THE REPLY FILED 5/26/2009 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.							
The reply was filed after a final rejection, but prior to or on application, applicant must timely file one of the following 1 application in condition for allowance; (2) a Notice of Appe for Continued Examination (RCE) in compliance with 37 C periods: The period for reply expiresmonths from the mailing	the same day as filing a Notice of a replies: (1) an amendment, affidavi al (with appeal fee) in compliance FFR 1.114. The reply must be filed addeted the final rejection.	Appeal. To avoid abar t, or other evidence, w with 37 CFR 41.31; or within one of the follow	rhich places the (3) a Request ving time				
b) The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.							
Examiner Note: If box 1 is checked, check either box (a) or (I MONTHS OF THE FINAL REJECTION. See MPEP 706.07 (Extensions of time may be obtained under 37 CFR 1.136(a). The date of).						
Extensions of uniter help be doublened united 3 of Frt. 1:30(4). The double have been filled is the date for purposes of determining the period of ext under 37 oFR 1.17(a) is calculated from: (1) the expiration date of the s set forth in (b) above, if checked. Any reply received by the Office later may reduce any earned patent term adjustment. See 37 CFR 1.704(b). NOTICE OF APPEAL.	ension and the corresponding amount of hortened statutory period for reply origing than three months after the mailing date	of the fee. The appropria nally set in the final Office	ate extension fee e action; or (2) as				
The Notice of Appeal was filed on A brief in compl filing the Notice of Appeal (37 CFR 41.37(a)), or any exter Notice of Appeal has been filed, any reply must be filed with	sion thereof (37 CFR 41.37(e)), to	avoid dismissal of the					
AMENDMENTS							
 The proposed amendment(s) filed after a final rejection, be They raise new issues that would require further core They raise the issue of new matter (see NOTE below) 	nsideration and/or search (see NOT w);	E below);					
(c) ☐ They are not deemed to place the application in bett appeal; and/or			ne issues for				
(d) ☐ They present additional claims without canceling a c NOTE: (See 37 CFR 1.116 and 41.33(a)).	corresponding number of finally reje	ected claims.					
 4. The amendments are not in compliance with 37 CFR 1.12 5. Applicant's reply has overcome the following rejection(s): 		mpliant Amendment (I	PTOL-324).				
Newly proposed or amended claim(s) would be all non-allowable claim(s).		imely filed amendmer	nt canceling the				
7. \(\subseteq for purposes of appeal, the proposed amendment(s): a) [\text{ how the new or amended claims would be rejected is prov The status of the claim(s) is (or will be) as follows: Claim(s) allowed:		be entered and an e	xplanation of				
AFFIDAVIT OR OTHER EVIDENCE							
 The affidavit or other evidence filed after a final action, but because applicant failed to provide a showing of good and was not earlier presented. See 37 CFR 1.116(e). 	I sufficient reasons why the affidavi	t or other evidence is	necessary and				
 The affidavit or other evidence filed after the date of filing entered because the affidavit or other evidence failed to or showing a good and sufficient reasons why it is necessary 	vercome <u>all</u> rejections under appear and was not earlier presented. Se	and/or appellant fail ee 37 CFR 41.33(d)(1	s to provide a).				
10. The affidavit or other evidence is entered. An explanation REQUEST FOR RECONSIDERATION/OTHER	n of the status of the claims after er	ntry is below or attach	ed.				
 The request for reconsideration has been considered but See Continuation Sheet. 	does NOT place the application in	condition for allowan	ce because:				
12. Note the attached Information Disclosure Statement(s). (13. Other:	PTO/SB/08) Paper No(s).						
/Eddie P Chan/ Supervisory Patent Examiner, Art Unit 2183							

Continuation of 11. does NOT place the application in condition for allowance because: The amendment to claim 12 corrects a claim objection and will be entered for purposes of appeal.

Applicant argues "Sihs multiply, shift, and add elements within each parallel MAC cannot operate at sub-optimal clock rates and still provide their intended high-speed multiply-accumulate (MAC) function. They must each perform their respective function within one instruction cycle, and that cycle should not be lengthened by the inclusion of an unnecessary later on any of these functions." and "Given that the purpose of Sih's design is to provide high-speed MAC operations, one of skill in the art would optimize of the season and advantage for latency-tolerant elements to Sih's latency-intolerant multiply, shift, and add elements, as asserted by the Examiner." The applicant is generally correct in the statements that Sager achieves decreased chip space usage and power savings by placing elements usuded of the critical path sare. This fact was the reason that was given as motivation for the combination of service with Sih statency-intolerant multiply. The applicant also stated that the MAC operations are required to execute in a single clock cycle. Thus, the single-mac instructions are required to execute in a single clock cycle rate would be according to the dual-mac and single-mac instructions are required to execute in the single-MAC instruction. Thus, the single-MAC instruction is finished executing well before the clock cycle period has ended. Thus, placing this functionality off on a less-critical path are the development of the single service of the single service of the dual-mac and an element of the single service of the dual-mac and an element of the single service. The single-mac instruction is finished executing well before the clock cycle period has ended. Thus, placing this functionality off on a less-critical path altered to execute the references to expelle.